STATEMENT OF THE CLAIMS

- 1. (previously presented) A fracture fixation pin, comprising:
- a) a solid first portion having a first diameter and first threads of a first thread diameter, said first portion having a tip at one end and a second end;
- b) a solid second portion coupled to said second end of said first portion, said second portion having a second diameter larger than said first diameter, and second threads of a second thread diameter larger than said first thread diameter, said second threads extending in a same direction as said first threads; and
- c) a solid non-threaded shaft portion coupled to said second portion, said shaft portion having a cross-sectional dimension which does not exceed a dimension of said second diameter.

wherein said second portion is provided with a plurality of longitudinal grooves extending crosswise through at least one of said second threads, said grooves being located adjacent said shaft portion and spaced-apart about an outer circumference of said second portion.

- 2. (original) A fracture fixation pin according to claim 1, wherein: said first and second threads are continuous.
- 3. (original) A fracture fixation pin according to claim 1, wherein: said tip includes a plurality of cutting flutes.

- 4. (original) A fracture fixation pin according to claim 1, wherein: said tip is substantially conical and includes a surface angled at 30° relative to a longitudinal axis.
- 5. (previously presented) A fracture fixation pin according to claim 1, wherein:
 said first portion has a first length of approximately 2.55 inches and a first
 diameter of approximately 0.125 inch, and said second portion has a second length of
 approximately 0.6 inch and a second diameter of approximately 0.156 inch.
- 6. (original) A fracture fixation pin according to claim 1, wherein: said shaft portion is substantially cylindrical.
- 7. (original) A fracture fixation pin according to claim 1, wherein: said shaft is frangibly coupled to second portion.
- 8. (original) A fracture fixation pin according to claim 1, wherein:
 a channel is provided about said pin between said second portion and said shaft
 portion.
- 9. (original) A fracture fixation pin according to claim 1, wherein: said shaft has cross-sectional dimension smaller than said second diameter of said second portion.

- 10. (original) A fracture fixation pin according to claim 1, wherein:
 said pin is not provided with a head portion.
- 11. (original) A fracture fixation pin according to claim I, wherein:
 all threads on said first portion have said first thread diameter.
- 12. (original) A fracture fixation pin according to claim 1, wherein: said pin is made of metal.
- 13. (canceled)
- 14. (previously presented) A fracture fixation pin according to claim 1, wherein: said plurality of grooves includes exactly three grooves spaced apart 120° about said circumference of said second portion.
- 15. (previously presented) A fracture fixation pin according to claim 1, wherein: each of said grooves has a depth which extends below said second threads.
- 16. (previously presented) A fracture fixation pin system, comprising:
- a) a pin including
- i) a first portion having a first diameter and first threads of a first thread diameter, said first portion having a tip at one end and a second end,

- ii) a second portion coupled to said second end of said first portion, said second portion having a second diameter larger than said first diameter, and second threads along substantially an entirety thereof, said second threads of a second thread diameter larger than said first thread diameter, said first and second threads being continuous with each other and having a common pitch and thread depth, and
- iii) a non-threaded shaft portion coupled to said second portion, said shaft portion having a cross-sectional dimension which does not exceed a dimension of said second diameter,

said second portion adjacent said shaft portion defining a plurality of longitudinal spaced apart negative spaces about an outer circumference thereof; and

b) a driver member including a socket having structure adapted to interfere with said negative spaces.

- 17. (original) A fracture fixation pin system according to claim 16, further comprising:
- c) a mill tool having structure adapted to remove bone and define an opening in the bone into which said socket of said driver member can be inserted.
- 18. (previously presented) A fracture fixation pin, comprising:
- a) a first portion having a first diameter and first threads of a first thread diameter, said first portion having a tip at one end and a second end; and
- b) a second portion having a first end coupled to said second end of said first portion and a second free end, said second portion having a second diameter larger than said first diameter, and second threads of a second thread diameter larger than said first thread

diameter, said first and second threads being continuous with each other and having a common pitch and thread depth, wherein said second free end is provided with a plurality longitudinal grooves spaced-apart about an outermost circumference of said second portion and extending crosswise through at least one of said second threads.

- 19. (original) A fracture fixation pin according to claim 18, wherein:
- said plurality of grooves includes three grooves spaced apart 120° about said circumference of the second portion.
- 20. (original) A fracture fixation pin according to claim 18, wherein:
 each of said grooves has a depth which extends below said second threads.
- 21. (previously presented) A fracture fixation pin system, comprising:
- a) a one-piece pin including
- i) a non-hollow first portion having a first diameter and first threads of a first thread diameter, said first portion having a tip at one end and a second end, and
- ii) a non-hollow second portion having a first end coupled to said second end of said first portion and a second free end, said second portion having a second diameter larger than said first diameter, and second threads of a second thread diameter larger than said first thread diameter, said first and second threads being continuous with each other and having a common pitch and thread depth, wherein said second free end is provided with a plurality of longitudinal grooves spaced-apart about an outer circumference of said second portion; and

- b) a driver member including a socket having structure adapted to interfere with said grooves on said second portion of said pin.
- 22. (original) A fracture fixation pin system according to claim 21, further comprising:c) a mill tool having structure adapted to remove bone and define an opening in the bone into which said socket of said driver member can be inserted.
- 23. 32. (canceled)